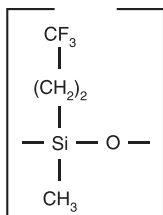


Rtx[®]-200 Structure



Similar to: (trifluoropropyl)-methylpolysiloxane

similar phases

DB-200, DB-210, VF-200ms

Rtx[®]-200/Rtx[®]-200MS (fused silica)

- General-purpose columns for solvents, Freon[®] fluorocarbons, alcohols, ketones, silanes, glycols, and drugs of abuse. Excellent confirmation column with an Rtx[®]-5 column for phenols, nitrosamines, organochlorine pesticides, chlorinated hydrocarbons, and chlorophenoxy herbicides.
- Temperature range: -20 °C to 340 °C.
- Equivalent to USP G6 phase.

Rtx[®]-200 columns have accomplished many difficult separations not possible on any other bonded stationary phase. Many analysts consider these the best, most inert mid-polarity columns available. The trifluoropropylmethyl polysiloxane stationary phase has a unique selectivity that changes elution orders and resolves compounds that phenyl, cyano, or Carbowax[®] phases can not. The Rtx[®]-200 column offers exceptional thermal stability, low bleed, and superior inertness—even for active compounds such as phenols, and with sensitive detectors such as ECDs, NPDs, and MSDs.

Rtx[®]-200 Columns (fused silica)

(midpolarity phase; Crossbond[®] trifluoropropylmethyl polysiloxane)

ID	df	temp. limits*	15-Meter cat.#	30-Meter cat.#	60-Meter cat.#	105-Meter cat.#
0.25 mm	0.25 µm	-20 to 320/340 °C	15020	15023	15026	15029
	0.50 µm	-20 to 310/330 °C	15035	15038	15041	15044
	1.00 µm	-20 to 290/310 °C	15050	15053	15056	15059
0.32 mm	0.25 µm	-20 to 320/340 °C	15021	15024	15027	
	0.50 µm	-20 to 310/330 °C	15036	15039	15042	15045
	1.00 µm	-20 to 290/310 °C	15051	15054	15057	15060
0.53 mm	0.25 µm	-20 to 320/340 °C	15066	15069	15072	15075
	0.50 µm	-20 to 310/330 °C	15022	15025	15028	
	1.00 µm	-20 to 300/320 °C	15037	15040	15043	
0.75 mm	0.25 µm	-20 to 310/330 °C	15052	15055	15058	
	0.50 µm	-20 to 290/310 °C	15052	15055	15058	
	1.50 µm	-20 to 280/300 °C	15067	15070	15073	
3.00 µm	-20 to 260/280 °C	15082	15085	15088	15091	

ID	df	temp. limits	10-Meter cat.#	20-Meter cat.#	40-Meter cat.#
0.15 mm	0.15 µm	-20 to 320/340 °C	43835	43836	
0.18 mm	0.20 µm	-20 to 310/330 °C	45001	45002	45003
	0.40 µm	-20 to 310/330 °C	45010	45011	45012

*Maximum temperatures listed are for shorter length columns. Longer columns may have a different maximum temperature.

also available



Metal MXT[®] Columns

Rugged, flexible, Siltek[®]-treated stainless steel tubing; inertness comparable to fused silica tubing.

MXT[®]-200 columns..... page 110

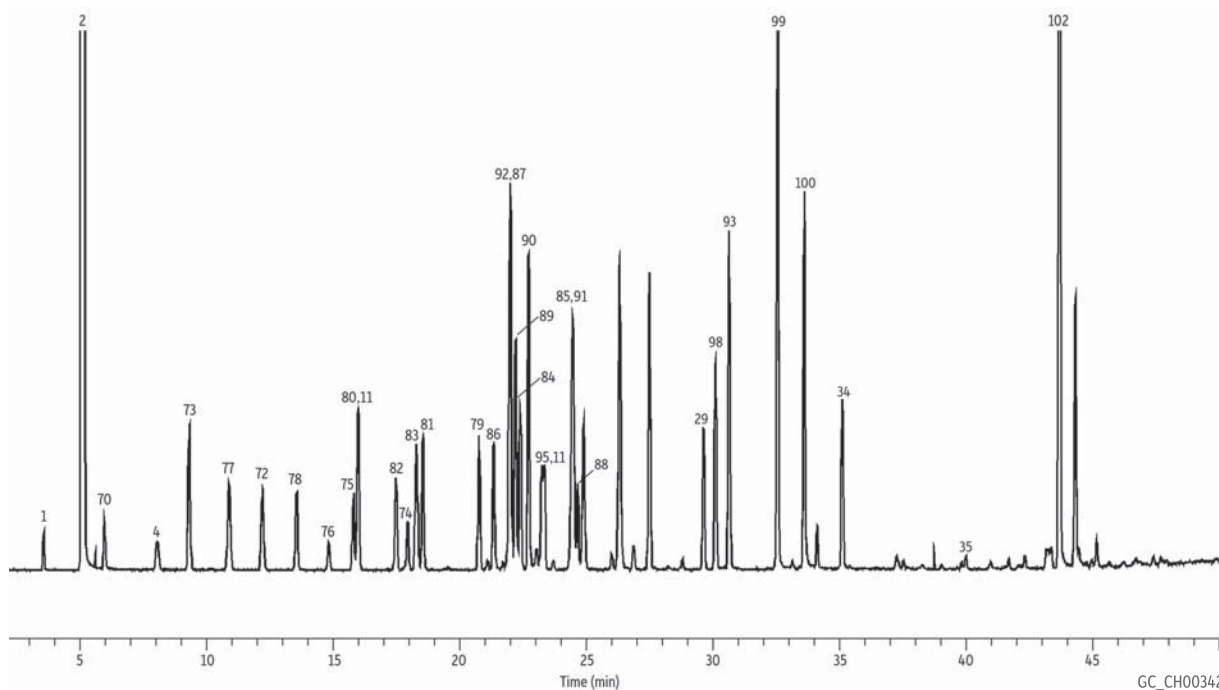
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Solvent Mixture #3 on Rtx[®]-200

GC_CH00342

Column Rtx[®]-200, 60 m, 0.53 mm ID,
3.00 μ m (cat.# 15088)

Sample Solvent mix #3

Injection
Inj. Vol.: 1.0 μ L split
Inj. Temp.: 275 °C
Split Vent
Flow Rate: 50 mL/min

Oven
Oven Temp.: 40 °C (hold 5 min) to 285 °C
at 5 °C/min

Carrier Gas He, constant flow

Linear Velocity: 40 cm/sec
Detector MS
Mode: Scan
Source Temp.: 285 °C

Peaks

1. Pentane	27. Dodecane	54. 2-Octanone	81. Butyl acetate
2. Methylene chloride	28. Undecanal	55. α -Cresol	82. 2-Ethyl-1-butanol
3. Ethylene glycol	29. Tridecane	56. α -Methylbenzyl alcohol	83. 3-Ethyl-3-pentanol
4. Heptane	30. Unknown	57. 5-Nonanone	84. 1,4-Dichlorobutane
5. Cyclopentanol	31. Dodecanal	58. Nonanal	85. 2-Methyl-2,4-pentanediol
6. 3-Hexanol	32. Dicyclohexylamine	59. Decanal	86. Butoxyethanol
7. Acetamide	33. bis(2,2-methoxy)ethyl ether	60. Unknown	87. 1,2,3-Trichloropropane
8. 2-Methyl-1-pentanol	34. Pentadecane	61. 1-Decanol	88. 1,4-Butanediol
9. Furfuryl alcohol	35. Heptadecane	62. 1-Undecanol	89. Methyl hexanoate
10. Butyl ether	36. Octadecane	63. 2-Dodecanone	90. 1,2,4-Trimethylbenzene
11. Nonane	37. Nonadecane	64. 1-Dodecanol	91. 2-Ethyl-1-hexanol
12. Cumene	38. Eicosane	65. Tetraethylene glycol	92. Dipentene/Limonene
13. Ethyl amyl ketone	39. Acetyl tributyl citrate	66. Dibenzyl	93. Tetrahydrofurfuryl acetate
14. Heptanol	40. 2-Buten-1-ol	67. Diethyl Phthalate	94. Unknown
15. Butyl butanoate	41. Formamide	68. Tributyl phosphate	95. Decahydronaphthalene
16. Unknown	42. 3-Pentanol	69. Diphenyl sulfone	96. Unknown
17. Benzyl alcohol	43. 1-Nitropropane	70. Allyl alcohol	97. Unknown
18. Dipropylene glycol	44. Dimethylformamide	71. Unknown	98. 2-Decanol
19. Benzene, diethyl-	45. 2-Methyl-3-pentanol	72. Isopropyl acetate	99. 1,2-Bis(2-methoxyethoxy)ethane
20. Unknown	46. Toluene	73. Benzene	100. 2-Phenoxyethanol
21. Unknown	47. Ethyl chloroacetate	74. 2-Nitropropane	101. Unknown
22. Hexachloroethane	48. Dimethylacetamide	75. Nitroethane	102. Benzyl ether
23. Undecane	49. <i>p</i> -Xylene	76. Pentanal	
24. 1-Nonanol	50. <i>sec</i> -tetrachloroethane	77. 2-Bromobutane	
25. <i>p</i> -Methoxyphenol	51. Benzaldehyde	78. 1-Chloropentane	
26. Triethylene glycol	52. α -Chlorotoluene	79. Cyclopentanone	
	53. 2,6-Dimethyl-4-heptanone	80. 2-Hexanol	

Rtx[®]-200MS—Low-Bleed GC-MS Columns (fused silica)(midpolarity phase; Crossbond[®] trifluoropropylmethyl polysiloxane)

Column specifically tested for low-bleed performance.

ID	df	temp. limits	30-Meter cat.#
0.25 mm	0.10 μ m	-20 to 320/340 °C	15608
	0.25 μ m	-20 to 320/340 °C	15623
	0.50 μ m	-20 to 310/330 °C	15638
	1.00 μ m	-20 to 290/310 °C	15653
0.32 mm	0.10 μ m	-20 to 320/340 °C	15609
	0.25 μ m	-20 to 320/340 °C	15624
	0.50 μ m	-20 to 310/330 °C	15639
	1.00 μ m	-20 to 290/310 °C	15654